# 5 FAH-2 H-720
# HIGH FREQUENCY (HF)

*(TL:TEL-1;   07-01-1998))*

## 5 FAH-2 H-721  HF BROADCAST RANGE

The HF networks provide long distance communication links to officials traveling in-country, Department missions in neighboring countries, and military aircraft or ships in the vicinity.

## 5 FAH-2 H-722  NET OPERATING INSTRUCTIONS

The RIMCs draft and distribute Net Operating Instructions (NOIs) with instructions for operating and programming HF radio equipment used in a defined network within the RIMC's geographic area of responsibility.  NOIs list primary and secondary frequencies for establishing contact with:

(1)     other Department missions;

(2)     Department numerical call signs for Department network participants;

(3)     classified Joint Army Navy Air Force Publication (JANAP) call signs for Department participants and military entities;

(4)     network configuration information; and

(5)     instructions for conducting official tests.

Specific information in the NOI will vary according to geographic location.

## 5 FAH-2 H-723  OPERATIONAL TESTING

*(TL:TEL-1;   07-01-1998)*
*(Uniform State/USAID/USIA)*

a.   To ensure the operational readiness of all HF equipment and the competence of IRM radio operators, IRM personnel must test HF radio equipment weekly and officially record the results as directed in the NOI.  Consult the RIMC if equipment fails or if personnel require additional training.  IPC personnel should document in the SOP the testing schedule and unique post circumstances affecting radio operations.

b.   RIMCs recommend testing off-site HF equipment or HF mobile radios on a bi-weekly basis.

# 5 FAH-2 H-724  NETWORK CONTROL STATION

*(TL:TEL-1;  07-01-1998)*
*(Uniform State/USAID/USIA)*

The RIMC designates one IPC to act as the network control station for other designated posts within contact range.  The network control performs the following tasks:

(1)    monitors network frequencies for radio communiqués from the RIMC, other posts or military activities;

(2)    acts as radio relay to establish contact between other posts in the network;

(3)    coordinates weekly tests with posts within its network; and

(4)    reports results of weekly tests in official telegrams.

# 5 FAH-2 H-725  REPORTING REQUIREMENTS

*(TL:TEL-1;  07-01-1998)*
*(Uniform State/USAID/USIA)*

a.    The IPO at the network control station records  the receive signal quality at network control and each subscriber station and sends the results in a telegram classified confidential.  The telegram should explain if any post was not able to respond and what actions were taken to attempt radio contact.

b.    The telegram should be addressed to the Department, the RIMC and network participants.   The action addressee will most often be SECSTATE, but other addressees may be asked to take action to correct deficiencies discovered during the test.   Include passing instructions for IRM/OPS/CST/LD, IRM/OPS/ITI/TWD/WLS, and the regional bureau.  List ACOA first on the TAGS line followed by KRIM,and AMTC.

# 5 FAH-2 H-726  THROUGH H-729 UNASSIGNED